MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

First & Final

DTS code No 014-18-000008 put 21.78
Estimate Solar

M. A. R. 57 (Rule 116)
Measurement Book

No. DTS No : CE/DD/W/18 dt 88.20

58641

Serial No. .....

Name of work Improvement to roads at Sheshadri layout and connecting roads From ..... To .....

Name of Contractor or nature of Agency. M. Gangapathi, Bathalapalle Road, Hindupur.

Date of commencement of work. Technical sanction CE/DD/W/037/2017-18 dt 23.8.2017

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Earth work excavation by means of mechanical means (JCB) in ordinary soil for laying open drain of an average width 0.60 to 0.80 m including getting out the excavated earth and depositing the same on the bank one side of the trench in regular manner as directed by the Engineer-in-charge.						
	From Sheshadri Road S.O.)	1	60.00	6.00 + 15.50 / 2	0.45	155.25	
		1	60.00	5.50 + 16.00 / 2	0.45	155.25	
		1	60.00	6.00 / 2	0.45	162.00	
	From V-layout - - - -	1	60.00	9.00 + 8.50 / 2	0.45	236.25	
		1	60.00	8.50	0.45	229.50	
		1	60.00	8.50	0.45	229.50	
		1	60.00	8.50	0.45	229.50	
		1	60.00	8.50	0.45	229.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Fm V. Layout M.S	2	60.00	0.60	0.30	64.80	
		2	60.00	0.60	0.30	64.80	
		2	60.00	0.60	0.30	64.80	
		2	60.00	0.60	0.30	64.80	
		2	60.00	0.60	0.30	64.80	
		2	60.00	0.60	0.30	64.80	
						259.320	17008f
		Collected	~~2015~~			1967.40 Cubic	
			@ 86.92/Cu				
	D.T. 11/9/2017						
2	Construction of Subbase with approved materials (gravel with all bad effects transported to Site Spreading grading & rolled strip and Spreading to meet required body 300.2 Cplete as per Specification Cube rate basis cost of gravel material cartage & spreading by mechanical means) complete as per direction of Engineer in charge	1	60.00	6.00+0.50	0.35	120.75	

CKC
Kodagar 11/9/17

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

58642

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8f pond fm V. layout	1	60.00	5.30+6.00	0.35	120.75	
		1	60.00	6.00	0.35	144.00	
		1	60.00	9.00+8.50	0.35	183.75	
		1	60.00	8.50	0.35	178.50	
		1	60.00	8.50	0.35	178.50	
		1	60.00	8.50	0.35	178.50	
		1	60.00	8.50	0.35	178.50	
	Measurement						
	D.T. 4/9/17	Collected	1183.88Cu	1265.25Cu		3789.84f	
		@	320.12/Cu				
3	Construction of Granular Sub-base by mixing Coarse aggregates & Granular materials Spreading in uniform layer Levelled with Grader						

(4) (3) (5)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Un prepared Surface leveling by a mix in place machine with Vibratory roller of one ton Capacity and making roller to achieve the desired density Complete upto specification by using as approved machine for Cement Grade Granular Sub base.						
		1 —	60·m	$\frac{6m+5m}{2}$	0·15	57·75	
		1 —	60·m	$\frac{5·50+6m}{2}$	0·15	57·75	
		1 —	60·m	$\frac{6·m}{2}$	0·15	54·m	
		1 —	60·m	$\frac{9m+8·50}{2}$	0·15	78·75	
		1 —	60·m	8·50	0·15	76·50	
		1 —	60·m	8·50	0·15	76·50	
		1 —	60·m	8·50	0·15	76·50	
		1 —	60·m	8·50	0·15	76·50	
		Total Qty	508·20 m			5492·25 Sq	
		@ 1578·88/Sq					7218 Rs

D.10 Rs 89/Sqd

M. A. R. 57 (Rule 116) No. D

Measurement Book

58643

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4	providing laying spreading and Compacting Graded Stone aggregate Wet mix macadam specification including preparing the moisture wet water at one km lead and mixing plant Carriage of mixed material by tipper lorry having capacity 7 cum and other at one km lead and mixing plant Carriage of mixed materials of tipper lorry having capacity 7 cum and other at one km lead Vibratory Roller to achieve the desired density Complete upto specification and as directed by Engineer Incharge						
		1 —	60·m	$\frac{6m+5·50}{2}$	0·23	79·35	
		1 —	60·m	$\frac{5·50+6m}{2}$	0·23	79·35	
		1 —	60·m	6·m	0·23	82·80	
		1 —	60·m	$\frac{9m+8·50}{2}$	0·23	117·30	
		1 —	60·m	8·50	0·23	117·30	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1 —	60·00 —	8·50 —	0·23 —	117·30	
		1 —	60·00 —	8·50 —	0·23 —	117·30	
		1 —	60·00 —	8·50 —	0·23 —	117·30	
		Lumpsum	778 Rmtr		0·1768 Cum	828·00 Cum	1327759/—
							CKRC Sundargarh 12/9/17
	S.N. JE 12/9/2017						
5	providing and applying primer coat with RS bitumen emulsion on prepared surface of granular base including WBM · WMM · interlocking closed type of roads surfaces or spraying primer at the rate of 0.60 kg/sqm using mechanical means (Cyclic sprayer) over the already laid granular base all complete with labour						
		1 —	60·00 —	6·00+3·50 —		345·00 Sqm	
		1 —	60·00 —	5·50+0·50 —		345·00 Sqm	
		1 —	60·00 —	6·00 —		360·00 Sqm	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

58644

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Stpent U-layout	1 —	60·00 —	9·00+8·50 —		525·00 Sqm	
		1 —	60·00 —	8·50 —		510·00 Sqm	
		1 —	60·00 —	8·50 —		510·00 Sqm	
		1 —	60·00 —	8·50 —		510·00 Sqm	
		1 —	60·00 —	8·50 —		510·00 Sqm	
		Lumpsum	3388·00 Sqm		0·27 Cum/Sqm	3615·00 Sqm	93373/—
7	providing and applying tack coat with prepared blend type bitumen emulsion @ 10 kg per 10 sqm including cost of all materials labour lump & machinery complete as per specifications in both directions in two layers (Second including cost of materials)						
	Qty vide SI No (6)	—	—	—	1·66 Cum/Sqm	3388·00 Sqm	39504/—

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8	Providing and laying bituminous macadam carpet using Stone metal Crushed aggregate as per clause 502 of MORTH specifications including loading of aggregate into P&M loader but unloading of Stone aggregate shall be at site plant location complete including transportation to the mixing machine as upper to paver and laying using metaliers with power finisher to required level & grade with by power roller to achieve the desired density specified in specifications but including the cost of power/fuel cost etc but excluding cost of all materials etc complete	1	60.00	6.00+8.50	0.05	17.25	
		1	60.00	8.50+6.00	0.05	17.25	
		1	60.00	6.00	0.05	18.00	
		1	60.00	9.00+8.50	0.05	26.25	
		1	60.00	8.50	0.05	25.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. D 58645

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	60.00	8.50	0.05	25.50	CFE
		1	60.00	8.50	0.05	25.50	
		1	60.00	8.50	0.05	25.50	
		1				180.750	8689.10/-
			Length	169.40 Cu.m			
					@ 5128.34/Cu.m		
9)	Providing and laying bituminous Concrete with Cut Lime Stone aggregate of specified grading premix mixed at hot mixing plant and transported to the work site by suitable tipper lorries and laid with mechanical paver finisher to the required grade and camber and compacted with smooth wheeled vibratory tandem roller to achieve the desired Specifications as per MORTH Specifications						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Claim No 500 & Copy both in one receipt bill 40/60 TPH Capacity Hot Mix Plant at NH 67 Near Bogadi						
		1	60.00	6.00+5.30/2	0.03	10.35	CFC
		1	60.00	5.30+6.00/2	0.03	10.35	
		1	60.00	6.00	0.03	10.80	
		1	60.00	9.00+8.50/2	0.03	15.75	
		1	60.00	8.50	0.03	15.30	
		1	60.00	8.50	0.03	15.30	
		1	60.00	8.50	0.03	15.30	
		1	60.00	8.50	0.03	15.30	
						108.45	720016/-
		Total	108.45 cum				
			@ 7083.84/-				
	10 Disposal of debris to the dump place of disposal with all lift etc as already by the Engineer in charge after cure. Lead 4 kms.					1967.40	165262/-
			@ 84.00/-				
			Total				4588760-00
			Add 10%				412808-00
			Total				4999568-00

Certified that the above work has been executed to my satisfaction and the measurements are correct.

Sd/- 29/9/2017

Sd/- 29/9/17

ಕರ್ತವ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರು
ಎ.ದಾಸರಹಳ್ಳಿ, ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ

Sd/- 29/9/17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಎ.ದಾಸರಹಳ್ಳಿ, ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ

P 2178

Audited and admitted for Rs. 4999568-00
4588760-00
412808-00

58646

M. A. R. 57 (Rule 116)
Measurement Book No. D

Serial No. ....
Name of work ..... From ..... To 466208-00
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Accounts Officer ..... Executive Engineer

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8